# FLEX EX SERIES

## *Radio Remote Control Systems*

The Enrange™ Flex EX Series of radio controls provides a standard cost-effective solution to the restrictive use of hard-wired cabling. Flex EX radios are durable and rugged, yet designed to be ergonomic and lightweight. These reliable systems come in 4, 8 and 12 button styles to meet all your applications. Indoor or outdoor, the IP66 rated fully sealed receiver enclosure can provide you with confidence and protection in the harshest environments.

### FLEXIBLE AND EFFICIENT PERFORMANCE

- System Compatibility – Transmitters and receivers can be made compatible by transferring the I-CHIP modules or by in-field programming, minimizing spare parts inventory.
- Superior Controls – Advanced microprocessor controls with 32 bit CRC and Hamming Code provide ultra-fast, safe, precise and error-free encoding and decoding.
- Abundant Programmable Functions – Each system is equipped with more than 200 programmable functions to suit all types of applications, including tandem, mode shift and receiver select.
- Tandem Operation – Two operators can control two machines independently and simultaneously.
- Receiver Select Operation – Allows one operator to control six separate receiver units from one handheld remote simultaneously or independently.
- Low Power Consumption – A transmitter requires only two "AA" alkaline batteries with more than 100 hours of operation. A rechargeable battery pack is also available.

### STRONG AND DEPENDABLE

- Reliable Push Buttons – The push buttons have gold-plated contacts and are rated for more than one million press cycles. The defined snap-action steps provide positive tactile feedback even while wearing gloves.
- Durable & Rugged Enclosures – All enclosures are made from industrial-strength nylon and fiberglass composite materials.

### SIMPLE AND EASY-TO-USE

- 62 User-Programmable Channels – Our advanced synthesized RF controls mean no more fixed channels or fragile quartz crystals to break.
- Over One Million Unique ID Codes (20 Bit) – Each Flex EX system has its own unique identification codes and never repeats.

# COMBINE THE FLEX EX WITH THE CAN-6 RECEIVER FOR ULTIMATE PERFORMANCE

The Enrange CAN-6 receiver makes adding remote control to hydraulically "CAN-BUS" controlled machinery simple and easy. This receiver allows you to connect to most CAN-BUS systems, including J1939, CANopen, and many other proprietary protocols. It is also is compatible with devices that require analog voltage inputs.

The small compact design is rugged enough to handle outdoor environments and is sealed to IP67 specifications allowing it to operate reliably in tight places. The installer also has a choice of using the integrated internal antenna or an external remote mounting kit.

Tandem Crane Selector Switch available

## FEATURES

- Eight analog outputs (0-5VDC, 0-10VDC, or 3-6-9VDC)
- Eight digital (on/off) outputs
- Power 12VDC - 48VDC
- Requires no FCC site license

Protective rubber boots and cases are available.

## FLEX EX SERIES TRANSMITTER SPECIFICATIONS

- Frequency Range: 433-434 MHz (62 channels)
- Modulation: Digital Frequency Modulation
- Operating Range: 100 Meters/300 Feet
- Frequency Control: Synthesized PLL
- Responding Time: 40 ms (average)
- Transmitter Voltage: 3.0 VDC
- Operating Temperature: -25°C through 75°C
- Transmitter Dimensions (mm):
  - 4 Buttons -138L x 69W x 34D
  - 8 Buttons -184L x 69W x 34D
  - 12 Buttons - 230L x 69W x 35D
- Transmitter Weight:
  - 4 Buttons - 192 g / 6.8 oz
  - 8 Buttons - 242 g / 8.5 oz
  - 12 Buttons - 296 g / 10.4 oz

## CAN-6 RECEIVER SPECIFICATIONS

- Operating frequency: 433-434 MHz (62 channels)
- Diagnostics: LED or back to controller display
- Input Voltage: 12 - 48VDC
- Relay outputs: 8 digital (1 reserved for E-stop)
- Relay rating: 2A @ 12VDC continuous
- Material: Nylon 6/6
- Temperature: -10° to 70° Celsius Size: 5.7"L x 4.6"W x 1.4"D

For more information, contact Magnetek Material Handling or your local Magnetek Sales Representative.

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